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2A

RAW SEQUENCE LISTING DATE: 04/26/2001
PATENT APPLICATION: US/09/829,382 TIME: 17:00:05

Input Set : N:\CrF3\RULE60\09829382.txt
Output Set: N:\CRF3\04262001\I829382.raw

SEQUENCE LISTING

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/829,382

DATE: 04/26/2001

TIME: 17:00:05

Input Set : N:\Crf3\RULE60\09829382.txt
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W--> 68 Xaa Glu Asn Glu Gly Ser Thr Gln Ala Ala Thr Ser Ser Asn Met Ala
 69 1 5 10 15
 71 Lys Thr Glu His Arg Lys Ala Ala Lys Gln Val Val Asp Glu
 72 20 25 30

75 (2) INFORMATION FOR SEQ ID NO: 2:
 77 (i) SEQUENCE CHARACTERISTICS:
 78 (A) LENGTH: 10 amino acids
 79 (B) TYPE: amino acid
 80 (C) STRANDEDNESS:
 81 (D) TOPOLOGY: linear
 83 (ii) MOLECULE TYPE: peptide
 84 (A) DESCRIPTION: cBP90
 86 (iii) HYPOTHETICAL: NO
 88 (iv) ANTI-SENSE: NO
 91 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
 93 Ala Arg Glu Phe Ser Leu Glu Lys Thr Arg
 94 1 5 10

97 (2) INFORMATION FOR SEQ ID NO: 3:
 99 (i) SEQUENCE CHARACTERISTICS:
 100 (A) LENGTH: 23 amino acids
 101 (B) TYPE: amino acid
 102 (C) STRANDEDNESS:
 103 (D) TOPOLOGY: linear
 105 (ii) MOLECULE TYPE: peptide
 106 (A) DESCRIPTION: cBP84
 108 (iii) HYPOTHETICAL: NO
 110 (iv) ANTI-SENSE: NO
 113 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
 W--> 115 Xaa Arg Glu Phe Ser Leu Glu Lys Thr Arg Asn Ile Gly Ile Met Ala
 116 1 5 10 15
 118 His Val Asp Ala Gly Lys Thr
 119 20

122 (2) INFORMATION FOR SEQ ID NO: 4:
 124 (i) SEQUENCE CHARACTERISTICS:
 125 (A) LENGTH: 27 amino acids
 126 (B) TYPE: amino acid
 127 (C) STRANDEDNESS:
 128 (D) TOPOLOGY: linear
 130 (ii) MOLECULE TYPE: peptide
 131 (A) DESCRIPTION: cBP80
 133 (iii) HYPOTHETICAL: NO
 135 (iv) ANTI-SENSE: NO
 138 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
 W--> 140 Xaa Lys Xaa Xaa Trp Gln Xaa Lys Gln Tyr Leu Lys Glu Asp Gly Ser
 141 1 5 10 15
 W--> 143 Gln Ala Ala Asn Glu Xaa Val Phe Asp Thr Ala
 144 20 25

147 (2) INFORMATION FOR SEQ ID NO: 5:
 149 (i) SEQUENCE CHARACTERISTICS:

RAW SEQUENCE LISTING

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Input Set : N:\Crf3\RULE60\09829382.txt
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150 (A) LENGTH: 30 amino acids
151 (B) TYPE: amino acid
152 (C) STRANDEDNESS:
153 (D) TOPOLOGY: linear
155 (ii) MOLECULE TYPE: peptide
156 (A) DESCRIPTION: cBP78
158 (iii) HYPOTHETICAL: NO
160 (iv) ANTI-SENSE: NO
163 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
165 Gln Lys Ile Ile Gly Ile Asp Leu Gly Thr Thr Asn Ser Ala Val Ala
166 1 5 10 15
168 Val Leu Glu Gly Thr Glu Ser Lys Ile Ile Ala Asn Pro Glu
169 20 25 30

172 (2) INFORMATION FOR SEQ ID NO: 6:
174 (i) SEQUENCE CHARACTERISTICS:
175 (A) LENGTH: 16 amino acids
176 (B) TYPE: amino acid
177 (C) STRANDEDNESS:
178 (D) TOPOLOGY: linear
180 (ii) MOLECULE TYPE: peptide
181 (A) DESCRIPTION: cBP70
183 (iii) HYPOTHETICAL: NO
185 (iv) ANTI-SENSE: NO
188 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
W--> 190 Xaa Xaa Xaa Glu Val Ala Lys Xaa Ser Gln Asp Thr Thr Thr Ala Ser
191 1 5 10 15

194 (2) INFORMATION FOR SEQ ID NO: 7:
196 (i) SEQUENCE CHARACTERISTICS:
197 (A) LENGTH: 19 amino acids
198 (B) TYPE: amino acid
199 (C) STRANDEDNESS:
200 (D) TOPOLOGY: linear
202 (ii) MOLECULE TYPE: peptide
203 (A) DESCRIPTION: cBP60
205 (iii) HYPOTHETICAL: NO
207 (iv) ANTI-SENSE: NO
209 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
W--> 211 Xaa Asn Glu Arg Val Lys Ile Val Ala Thr Leu Gly Pro Ala Val Glu
212 1 5 10 15
214 Gly Arg Gly

217 (2) INFORMATION FOR SEQ ID NO: 8:
219 (i) SEQUENCE CHARACTERISTICS:
220 (A) LENGTH: 18 amino acids
221 (B) TYPE: amino acid
222 (C) STRANDEDNESS:
223 (D) TOPOLOGY: linear
225 (ii) MOLECULE TYPE: peptide
226 (A) DESCRIPTION: cBP50 pep
228 (iii) HYPOTHETICAL: NO

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230 (iv) ANTI-SENSE: NO
233 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
W--> 235 Xaa Ile Ile Xaa Xaa Val Tyr Ala Arg Glu Val Leu Asp Ser Arg Gly
236 1 5 10 15
238 Asn Pro
241 (2) INFORMATION FOR SEQ ID NO: 9:
243 (i) SEQUENCE CHARACTERISTICS:
244 (A) LENGTH: 12 amino acids
245 (B) TYPE: amino acid
246 (C) STRANDEDNESS:
247 (D) TOPOLOGY: linear
249 (ii) MOLECULE TYPE: peptide
250 (A) DESCRIPTION: cBP112-Int1
252 (iii) HYPOTHETICAL: NO
254 (iv) ANTI-SENSE: NO
257 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
259 Glu Asp Arg Arg Asn Tyr Pro Thr Asn Thr Tyr Lys
260 1 5 10
263 (2) INFORMATION FOR SEQ ID NO: 10:
265 (i) SEQUENCE CHARACTERISTICS:
266 (A) LENGTH: 11 amino acids
267 (B) TYPE: amino acid
268 (C) STRANDEDNESS:
269 (D) TOPOLOGY: linear
271 (ii) MOLECULE TYPE: peptide
272 (A) DESCRIPTION: cBP112-Int2
274 (iii) HYPOTHETICAL: NO
276 (iv) ANTI-SENSE: NO
279 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
W--> 281 Xaa Asp Asp Gln Gln Ala Glu Glu Asp Tyr Ala
282 1 5 10
285 (2) INFORMATION FOR SEQ ID NO: 11:
287 (i) SEQUENCE CHARACTERISTICS:
288 (A) LENGTH: 8 amino acids
289 (B) TYPE: amino acid
290 (C) STRANDEDNESS:
291 (D) TOPOLOGY: linear
293 (ii) MOLECULE TYPE: peptide
295 (iii) HYPOTHETICAL: NO
297 (iv) ANTI-SENSE: NO
300 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
302 Trp Gln Pro Pro Arg Ala Arg Ile
303 1 5
305 (2) INFORMATION FOR SEQ ID NO: 12:
307 (i) SEQUENCE CHARACTERISTICS:
308 (A) LENGTH: 16 amino acids
309 (B) TYPE: amino acid
310 (C) STRANDEDNESS:
311 (D) TOPOLOGY: linear

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313 (ii) MOLECULE TYPE: peptide
 314 (A) DESCRIPTION: 50 KDa protein
 321 (iii) HYPOTHETICAL: NO
 322 (iv) ANTI-SENSE: NO
 316 (v) FRAGMENT TYPE: N-terminal
 318 (vi) ORIGINAL SOURCE:
 319 (A) ORGANISM: S. pneumoniae
 325 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
 327 Ile Thr Asp Val Tyr Ala Arg Glu Val Leu Asp Ser Arg Gly Asn Pro
 328 1 5 10 15
 331 (2) INFORMATION FOR SEQ ID NO: 13:
 333 (i) SEQUENCE CHARACTERISTICS:
 334 (A) LENGTH: 16 amino acids
 335 (B) TYPE: amino acid
 336 (C) STRANDEDNESS:
 337 (D) TOPOLOGY: linear
 339 (ii) MOLECULE TYPE: peptide
 340 (A) DESCRIPTION: 50 KDa protein
 342 (iii) HYPOTHETICAL: NO
 344 (iv) ANTI-SENSE: NO
 346 (v) FRAGMENT TYPE: N-terminal
 348 (vi) ORIGINAL SOURCE:
 349 (A) ORGANISM: B. subtilis
 352 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
 354 Ile Val Asp Val Arg Ala Arg Glu Val Leu Asp Ser Arg Gly Asn Pro
 355 1 5 10 15
 358 (2) INFORMATION FOR SEQ ID NO: 14:
 360 (i) SEQUENCE CHARACTERISTICS:
 361 (A) LENGTH: 210 base pairs
 362 (B) TYPE: nucleic acid
 363 (C) STRANDEDNESS: double
 364 (D) TOPOLOGY: linear
 366 (ii) MOLECULE TYPE: cDNA
 368 (iii) HYPOTHETICAL: NO
 370 (iv) ANTI-SENSE: NO
 372 (vi) ORIGINAL SOURCE:
 373 (A) ORGANISM: S. pneumoniae
 376 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
 378 TCCCGCGGCA ACCCAACACT TGAAGTAGAA GTTTACACTG AATCAGGTGC TTTGGACGT 60
 380 GGTATGGTTC CATCAGGAGC TTCTACTGGT GAACACGAAG CAGTTGAAC TCGCGACGGT 120
 382 GACAAATCTC GTTACGGTG TCTTGGTACA CAAAAAGCTG TTGACAACGT AAACAACATC 180
 384 ATTGCTGAGG CCATCATTGG CTACGGATGTA 210
 387 (2) INFORMATION FOR SEQ ID NO: 15:
 389 (i) SEQUENCE CHARACTERISTICS:
 390 (A) LENGTH: 210 base pairs
 391 (B) TYPE: nucleic acid
 392 (C) STRANDEDNESS: double
 393 (D) TOPOLOGY: linear
 395 (ii) MOLECULE TYPE: cDNA

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/829,382

DATE: 04/26/2001

TIME: 17:00:07

Input Set : N:\Crf3\RULE60\09829382.txt
Output Set: N:\CRF3\04262001\I829382.raw

L:32 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:33 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10